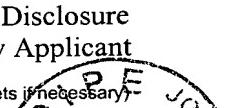


FORM PT	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-0039	SERIAL NO. 09/210,485
<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary)</p> <p style="text-align: center;">  JUN 17 1999 <small>U.S. PATENT & TRADEMARK OFFICE</small> </p>		<p>APPLICANT Mansky et al.</p> <p>FILING DATE December 11, 1998</p> <p>GROUP 285</p>	

U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
Jes	4,596,697	6/24/86	Ballato	422	98	
Jes	4,767,719	8/30/88	Finlan	436	501	
Jes	5,179,028	1/12/93	Vali et al.	436	524	
Jes	5,283,037	2/1/94	Baer et al.	422	82.01	
Jes	5,296,374	3/22/94	Culshaw et al.	435	287.9	
Jes	5,306,644	4/26/94	Myerholtz et al.	436	149	
Jes	5,571,401	11/5/96	Lewis et al.	205	78.2	
Jes	5,698,089	12/16/97	Lewis et al.	205	78.2	
Jes	5,705,399	1/6/98	Larue	436	501	
Jes	5,770,038	6/23/98	Iwama et al.	205	773	

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(Including Author, Title, Date, Pertinent Pages, Etc.)

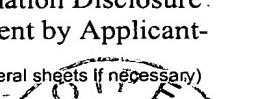
Examiner *Kathleen L. Jones* **Date Considered** *11-25-01*

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Atty. Docket Number 1012-001		Serial Number: 09/210,485		
		Applicant(s): Mansky et al.				
		Filing Date: 12/11/98	Group: <i>2857 2858</i>			
U.S. PATENT DOCUMENTS						
*EXAMINER TRIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Per</i>	3,266,307	8/16/66	DeWinter	73	190	
<i>Per</i>	3,789,662	2/5/74	Zettler, et al.	73	190	
<i>Per</i>	4,350,446	9/21/82	Johnson	374	13	
<i>Per</i>	4,874,250	10/17/89	Gonner	374	43	
<i>Per</i>	5,224,775	7/6/93	Reading, et al.	374	11	
<i>Per</i>	5,228,114	7/13/93	Suzuki	392	416	
<i>Per</i>	5,335,993	8/9/94	Marcus, et al.	374	11	
<i>Per</i>	5,346,306	9/13/94	Reading, et al.	374	10	
<i>Per</i>	5,439,291	8/8/95	Reading	374	11	
<i>Per</i>	5,464,966	11/7/95	Gaiten, et al.	219	544	
<i>Per</i>	5,474,385	12/12/95	Reading	374	11	
FOREIGN PATENT DOCUMENTS						<i>RECEIVED MAY - 2000 TECHNOLOGY CENTER 2850</i>
	Document Number	Date	Country	CLASS	SUBCLASS	TRANSLATION YES NO
<i>Per</i>	DE 198 05 719	12/2/98	Germany	—	—	<input type="checkbox"/> <input type="checkbox"/>
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OTHER DOCUMENTS						<i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
<i>Per</i>	Sullivan, P.F. and G. Seidel "Steady-state, AC-temperature calorimetry" Physical Review Vol. 73 no.3; September 15, 1968; p.679-685.					
EXAMINER <i>Hilf Walker</i>	DATE CONSIDERED: <i>11-25-01</i>					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						<i>Patent and Trademark Office - U.S. DEPARTMENT OF COMMERCE</i>

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Atty. Docket Number 1012-001	Serial Number: 09/210,485				
LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION (Use several sheets if necessary)		Applicant(s): Mansky et al.					
		Filing Date: 12/11/98	Group: 780- 2858				
U.S. PATENT DOCUMENTS							
*EXAMINER TRIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JRW</i>		5,525,300	6/11/96	Danssaert, et al.	422	99	
<i>JRW</i>		5,599,104	2/4/97	Nakamura, et al.	374	12	
<i>JRW</i>		5,601,141	2/11/97	Gordon, et al.	165	263	
<i>JRW</i>		5,779,362	7/14/98	Lightfoot	374	33	
<i>JRW</i>		5,779,981	7/14/98	Danssaert, et al.	422	99	
<i>JRW</i>		5,788,373	8/4/98	Huetter, et al.	374	10	
<i>JRW</i>		5,806979	9/15/98	Gschneidner, et al.			
<i>JRW</i>		5,813,763	9/29/98	Plotnikov, et al.	374	11	<i>MAY - 1 2000</i>
<i>JRW</i>		5,821,596	10/13/98	Miu, et al.	257	419	
<i>JRW</i>		5,876,118	3/2/99	Vogel	374	11	
<i>JRW</i>		5,923,421	7/13/99	Rajic, et al.	356	328	
<i>JRW</i>		5,939,312	8/17/99	Baier, et al.	435	287.2	
FOREIGN PATENT DOCUMENTS							
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EXAMINER <i>John Walras</i>		DATE CONSIDERED: <i>11-28-01</i>					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
Information Disclosure Statement by Applicant			
(Use several sheets if necessary)			
 FEB 08 1999 JC48 U.S. PATENT & TRADEMARK OFFICE		APPLICANT Mansky et al.	
		FILING DATE December 11, 1998	GROUP <i>2857</i>

U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
1021	4,423,371	12/27/83	Senturia et al.	324	663	
1021	4,448,943	5/15/84	Golba et al.	526	59	
1021	4,571,543	2/18/86	Raymond et al.	324	425	
1021	4,675,674	6/23/87	Hope	340	820.13	
1021	4,710,550	12/1/87	Kranbuehl	526	60	
1021	4,891,591	1/2/90	Johnston et al.	324	234	
1021	5,063,081	11/5/91	Cozzette et al.	435	4	
1021	5,095,278	3/10/92	Hendrick	324	687	
1021	5,164,319	11/17/92	Hafeman et al.	435	287.1	
1021	5,345,213	9/6/94	Semancik et al.	338	34	
1021	5,356,756	10/18/94	Cavicchi et al.	430	315	
1021	5,491,097	2/13/96	Ribi et al.	436	578	

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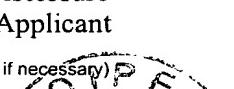
(Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Jon</i>		"Thermodynamic Measurements of Magnetic Ordering in Antiferromagnetic Superlattices," E.N. Abarra, K. Takano, F. Hellman, and A.E. Berkowitz, <u>Physical Review Letters</u> , Vol. 77, No. 16, October 14, 1996, pp. 3451-3454.
<i>Jon</i>		"The Anatomy of a Microcalorimeter," Kim Allen, http://physics.ucsd.edu/~kallen/Microcal/calorimeter.html , 14 pages. (no date)
<i>Jon</i>		"Heat Capacity Measurements on Small Samples at Low Temperatures," R. Bachmann, F.J. DiSalvo, Jr., T.H. Geballe, R.L. Greene, R.E. Howard, C.N. King, H.C. Kirsch, K.N. Lee, R.E. Schwall, H.U. Thomas, and R.B. Zubeck, <u>The Review of Scientific Instruments</u> , Vol. 43, No. 2, February 1972, pp. 205-214.
Examiner <i>Karl W. Lohman</i>		Date Considered <i>11-25-01</i>

Examiner Karl Wohlgemuth

Date Considered 11-25-01

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
Information Disclosure Statement by Applicant			
(Use several sheets if necessary)			
		APPLICANT Mansky	
		FILING DATE Herewith	GROUP 2857

U.S. PATENT DOCUMENTS

Exmr Initial		Document Number	Date	Name	Class	Sub Class	Filing Date
200		5,532,128	7/2/96	Eggers et al.	935	6	
200		5,533,393	7/9/96	Bonne et al.	73	335,02	
200		5,534,111	7/9/96	Hocker et al.	216	10	
200		5,557,972	9/24/96	Jacobs et al.	73	256	
200		5,597,957	1/28/97	Schieferdecker et al.	73	255	
200		5,602,393	2/11/97	Gerard	250	338,4	
200		5,622,633	4/22/97	Ohtsuka et al.	438	53	
200		5,632,957	5/27/97	Heller et al.	422	68,1	
200		5,634,718	6/3/97	Martinis et al.	374	32	
200		5,635,845	6/3/97	Strong et al.	324	693	
200		5,639,423	6/17/97	Northrup et al.	422	50	
200		5,641,634	6/24/97	Mandecki	935	6	

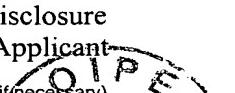
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(Including Author, Title, Date, Pertinent Pages, Etc.)

102		"Micromechanical Thermogravimetry," R. Berger, H.P. Lang, Ch. Gerber, J.K. Gimzewski, J.H. Fabian, L. Scandella, E. Meyer, H.J. Guntherodt, <u>Chemical Physics Letters</u> , Vol. 294, September 18, 1998, pp. 363-369.
103		"An Ultrahigh Vacuum Single Crystal Adsorption Microcalorimeter," C.E. Borroni-Bird and D.A. King, <u>Rev. Sci. Instrum.</u> , Vol. 62, No. 9, September 1991, pp. 2177-2185.
104		"Relaxation Phenomena in Dense, Glassy Membranes Prepared from a Polymer Solution, Monitored by Changes in Dielectric Properties," R.H.B. Bouma, Th. van den Boomgaard, C.A. Smolders, H. Strathman, P.F. Mijnlieff, <u>Journal of Membrane Science</u> , Vol. 113, 1996, pp. 205-221. (No mark)
Examiner	<u>Paul Glazebrook</u>	Date Considered 11-25-00 FEB 2001 RESE

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary)</p> <p style="text-align: center;"> FEB 08 1999 PATENT & TRADEMARK OFFICE WASH. D.C.</p>		<p>APPLICANT Mansky</p> <p>FILING DATE Herewith</p> <p>GROUP 20-7</p>	

U.S. PATENT DOCUMENTS

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OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

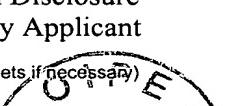
<i>[Signature]</i>		"A Class of Cobalt Oxide Magnetoresistance Materials Discovered with Combinatorial Synthesis," Gabriel Briceno, Hauyee Chang, Xiaodong Sun, Peter G. Schultz, X.D. Xiang, <u>Science</u> , Vol. 270, October 13, 1995, pp. 273-275.
<i>[Signature]</i>		"Thermal Conductivity Measurement from 30 to 750 K: the 3ω Method," David G. Cahill, <u>Rev. Sci. Instrum.</u> , Vol. 61, No. 2, February 1990, pp. 802-808.
<i>[Signature]</i>		"Thermal Conductivity of a-Si:H Thin Films," David G. Cahill, M. Katiyar, and J.R. Abelson, <u>The American Physical Society</u> , Vol. 1, No. 2, September 1, 1994, p. 6077-6081.

Examiner

Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 600. Drawline through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary)</p> <p style="text-align: center;"></p>		<p>APPLICANT Mansky</p> <p>FILING DATE Herewith</p> <p>GROUP 2807</p>	

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FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

<i>202</i>		"Pulsed Desorption Kinetics Using Micromachined Microhotplate Arrays," Richard E. Cavicchi, Gregory E. Poirier, John S. Suehle, Michael Gaitan, Steve Semancik, and Donald R. F. Burgess, <u>J. Vac. Sci. Technol.</u> , Vol. 12, No. 4, Jul/Aug 1994, pp. 2549-2553.
<i>203</i>		"A Combinational Chemistry Approach to Oxidation Catalyst Discovery and Optimization," Peigun Cong, Dan Giaquinta, Shenghang Guan, Eric McFarland, Kyle Self, Howard Turner and W. Henry Weinburg, <u>Process Miniaturization: 2nd International Conference on Microreaction Technology Brochure</u> , pp. 118-123.
<i>204</i>		"Thin Film Microcalorimeter for Heat Capacity Measurements from 1.5 to 800 K," D.W. Denlinger, E.N. Abarra, Kimberly Allen, P.W. Rooney, M.T. Messer, S.K. Watson, and F. Hellman, <u>Rev. Sci. Instrum.</u> , Vol. 65, No. 4, April 1994, pp. 946-958.

Examiner

Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
<p>Information Disclosure Statement by Applicant (Use several sheets if necessary)</p> <p>O P E R A T I O N S C E N T E R</p> <p>FEB 08 1999</p> <p>U. S. PATENT & TRADEMARK OFFICE</p>			
APPLICANT Mansky		FILING DATE Herewith	GROUP 2857

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS

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<i>Bob</i>		"Plastification During Sorption of Polymeric Thin Films: A Quartz Resonator Study," Arno Domack and Diethelm Johannsmann, <i>J. Appl. Phys.</i> , Vol. 80, No. 5, September 1, 1996, pp. 2599-2604.
<i>Dan</i>		"A Silicon on Sapphire Thermometer for Small Sample Low Temperature Calorimetry," S. R. Early, F. Hellman, J. Marshall, and T. H. Geballe, <i>Physics</i> , Vol. 107B, 1981, pp. 327-328. <i>No, No, No</i>
<i>Tom</i>		"Nanocalorimeter for High Resolution Measurements of Low Temperature Heat Capacities of Thin Films and Single Crystals," Fernando Fominaya, Thierry Fournier, Philippe Gandit, and Jacques Chaussy, <i>Rev. Sci. Instrum.</i> , Vol. 68, No. 11, November 1997, pp. 4191-4195.

Examiner Jill Johnson Date Considered 9-20-00
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary.)</p> <p style="text-align: center;">  FEB 08 1999 PATENT & TRADEMARK OFFICE WASHINGTON, D.C. </p>		
<p>APPLICANT Mansky</p> <p>FILING DATE Herewith</p> <p>GROUP 285</p>		

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

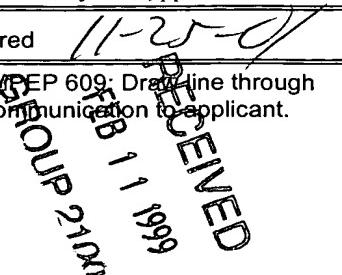
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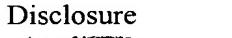
(Including Author, Title, Date, Pertinent Pages, Etc.)

<i>MR</i>		"Heat Capacity Cryostat and Novel Methods of Analysis for Small Specimens in the 1.5-10 K Range," E.M. Forgan and S. Nedjat, <i>Rev. Sci. Instrum.</i> , Vol. 51, No. 4, April 1980, pp. 411-417.
<i>Jor</i>		"Thermal Conductivity and Diffusivity Measurements in the sub- μ s Scale on Centimeter Area Samples Using a Microthermocouple," R. Forster and E. Gmelin, <i>Rev. Sci. Instrum.</i> , Vol. 67, No. 12, December 1996, pp. 4246-4255.
<i>Jor</i>		"An AC Calorimeter for Measuring Heat Capacity of Free-Standing Liquid-Crystal Films," R. Geer, T. Stoebe, T. Pitchford, and C.C. Huang, <i>Rev. Sci. Instrum.</i> , Vol. 62, No. 2, February 1991, pp. 415-421.

Examiner	<i>Carl Winkler</i>	Date Considered	<i>11-25-01</i>
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary)</p> <p style="text-align: center;"></p>			
		APPLICANT Mansky	
		FILING DATE Herewith	GROUP 285-7

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

<i>101</i>		Abstract, "Microcalorimetric Study of the Acidic Character of Modified Metal Oxide Surfaces. Influence of the Loading Amount on Alumina, Magnesia, and Silica," A. Gervasini, <u>Langmuir</u> , Vol. 12, 1996, pp. 5356-5364. 1 page. (No. 114)
<i>102</i>		"Modulated-bath Calorimetry," J.E. Graebner, <u>Rev. Sci. Instrum.</u> , Vol. 60, No. 6, June 1989, pp. 1123-1128.
<i>103</i>		"Specific Heat of Granular Aluminum Films," R.L. Greene, C.N. King, and R.B. Zubeck, <u>Physical Review</u>

Examiner

Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary)</p> <p style="text-align: center;">  FEB 08 1999 U.S. PATENT & TRADEMARK OFFICE WASHINGTON, D.C. </p>			
APPLICANT Mansky		FILING DATE Herewith	
		GROUP <i>2837</i>	

U.S. PATENT DOCUMENTS

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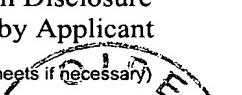
OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Par</i>		Abstract, "Localized Thermal Analysis Using a Mechanical Resistive Probe," A. Hammiche, M. Reading, H.M. Pollock, and M. Song, <u>Rev. Sci. Instrum.</u> , Vol. 67, No. 12, December 1996, pp. 4268-4274.
<i>Par</i>		"Nanocalorimeter for Explorations of Mesoscopic Heat Flow," E.A. Henriksen, K.C. Schwab, J.M. Worlock, M.L. Roukes, http://www.cmp.caltech.edu/~lifshitz/march98/abs98.h <i>1 page. (No 146)</i>
<i>Par</i>		"Experimental Limitations in Impedance Spectroscopy of Materials Systems," G. Hsieh, D.D. Edwards, S.J. Ford, J.H. Hwang, J. Shane, E.J. Garboczi, and T.O. Mason, <u>Mat. Res. Soc. Symp. Proc.</u> , Vol. 411, 1996, pp. 3-13. <i>(No 200, Pg 1)</i>
Examiner	<i>Hilmarsson</i>	Date Considered <i>11-20-01</i>

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary)</p> 		<p>APPLICANT Mansky</p> <p>FILING DATE Herewith</p> <p>GROUP 285-7</p>	

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OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

921		"Visco-elastic Properties of Thin Films Probed with a Quartz Crystal Resonator," D. Johannsmann, F. Embs, C.G. Willson, G. Wegner, and W. Knoll, <u>Makromol. Chem., Macromol. Symp.</u> , Vol. 46, 1991, pp. 247-251. (<u>Norman H.</u>)
1022		"Dielectric Monitoring of Polymerization and Cure," David E. Kranbuehl, <u>Dielectric Spectroscopy of Polymeric Materials</u> , pp. 303-328. (<u>No date</u>)
1023		"Microcalorimeters May Provide a Solution to the Big Problem of Small Contaminants," Ray Ladbury, <u>Physics Today</u> , July 1998, pp. 19-21.

Examiner

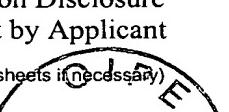
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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary)</p> 		<p>APPLICANT Mansky</p> <p>FILING DATE Herewith</p> <p>GROUP 2807</p>	

U.S. PATENT DOCUMENTS

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(Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Tom</i>		"Heat Capacity Measurements of Sn Nanostructures Using a Thin-Film Differential Scanning Calorimeter with 0.2 nJ Sensitivity," S.L. Lai, G. Ramanath, L.H. Allen, and P. Infante, <u>Appl. Phys. Lett.</u> , Vol. 70, No. 1, January 6, 1997, pp. 43-45.
<i>Tom</i>		"High-Speed (10^4 °C/s) Scanning Microcalorimetry with Monolayer Sensitivity (J/m ²)," S.L. Lai, G. Ramanath, and L.H. Allen, <u>Appl. Phys. Lett.</u> , Vol. 67, No. 9, August 28, 1995, pp. 1229-1231.
<i>Tom</i>		"Size-Dependent Melting Properties of Small Tin Particles: Nanocalorimetric Measurements," S.L. Lai, J.Y. Guo, V. Petrova, G. Ramanath, and L.H. Allen, <u>Physical Review Letters</u> , Vol. 77, No. 1, July 1, 1996, pp. 99-102.

Examiner

H. L. Johnson

Date Considered

GP/11-25-01

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 65304-039	SERIAL NO. 09/210,485
Information Disclosure Statement by Applicant (Use several sheets if necessary)		APPLICANT Mansky	
		FILING DATE Herewith	GROUP 2807

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(Including Author, Title, Date, Pertinent Pages, Etc.)

<i>221</i>		"Determination of Complex Shear Modulus with Thickness Shear Mode Resonators," Ralph Lucklum, Carsten Behling, Richard W. Cernosek, and Stephen J. Martin, <u>IOP Publishing</u> , September 1996, pp. 346-356.
<i>222</i>		"Materials Test Equipment - Materials Measurement Systems," 1998 Hewlett-Packard Test and <u>Measurement Catalog</u> , pp. 349-351. (<i>No date</i>)
<i>223</i>		"μTA 2990 Micro-Thermal Analyzer - Characterizing the Nano-World," <u>TA Instruments Thermal Analysis & Rheology Brochure</u> , <i>8 pages</i> . (<i>No date</i>)
Examiner	<i>Hollie Murphy</i>	Date Considered <i>11/25-1/10</i>

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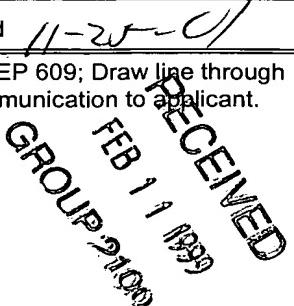
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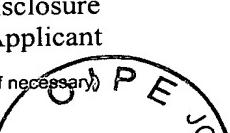
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<i>Jew</i>		"A 3-350 K Fast Automatic Small Sample Calorimeter," V.K. Pecharsky, J.O. Moorman, and K.A. Gschneider, Jr., <u>Rev. Sci. Instrum.</u> , Vol. 68, No. 11, November 1997, pp. 4196-4207.
<i>Jew</i>		"The Broad Sweep of Integrated Microsystems," S. Tom Picraux and Paul J. McWhorter, <u>IEEE Spectrum</u> , December 1998, pp. 24-33
<i>Jew</i>		"A Very Sensitive Microcalorimetry Technique for Measuring Specific Heat of μg Single Crystals," O. Riou, P. Gandit, M. Charalambous, and J. Chaussy, <u>Rev. Sci. Instrum.</u> , Vol. 68, No. 3, March 1997, pp. 1501-1509.
Examiner <i>H. L. Whaley</i>		Date Considered <i>11-25-01</i>

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<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary)</p> 		<p>APPLICANT Mansky</p> <p>FILING DATE Herewith</p> <p>GROUP 2857</p>	

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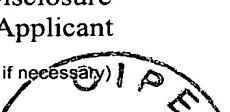
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2021		"Measurement of Low-Temperature Specific Heat," G.R. Stewart, <u>Rev. Sci. Instrum.</u> , Vol. 54, No. 1, January 1983, pp. 1-11.
1995		"A Study of Los-Cost Sensors for Measuring Low Relative Humidity," P.R. Story, D.W. Galipeau, R.D. Mileham, <u>Sensors and Actuators B</u> , Vol. 24-25, 1995, pp. 681-685. <i>(Note on RH)</i>
1995		"Microcalorimetric Study of Ethylene on Pt{110} - (1 x 2)," A. Struck, C.E. Wartnaby, Y.Y. Yeo, and D.A. King, <u>Physical Review Letters</u> , Vol. 74, No. 4, January 23, 1995, pp. 578-581.
Examiner <i>Holly Johnson</i>	Date Considered	11-25-01

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<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary)</p> <p style="text-align: center;">  </p>		
<p>APPLICANT Mansky</p>		
<p>FILING DATE Herewith</p>		<p>GROUP <i>280</i></p>

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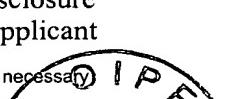
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2021		"Steady-State, ac-Temperature Calorimetry," Paul F. Sullivan and G. Seidel, <u>Physical Review</u> , Vol. 173, No. 3, September 15, 1968, pp. 679-685.
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2021		Abstract, "An Apparatus for Measuring the Thermal Conductivity and Viscosity of Polymers Under Shearing Strain," I.H. Tavman, <u>Meas. Sci. Technol.</u> , Vol. 8, 1997, pp. 287-292. <i>Unpublished!</i>
Examiner	<i>Paul Winkler</i>	Date Considered 11-25-01 RA

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<p>Information Disclosure Statement by Applicant</p> <p>(Use several sheets if necessary)</p> 		<p>APPLICANT Mansky</p> <p>FILING DATE Herewith</p> <p>GROUP <i>2003</i></p>	

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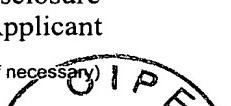
<i>Nov</i>		"In-Plane Permittivity of Spin-Cast Polymer Films," Shari A. Weinberg and Sue Ann Bidstrup-Allen, <u>Mat. Res. Soc. Symp. Proc.</u> , Vol. 411, 1996, pp. 229-234. (<i>No. 2, 12/</i>)
<i>Nov</i>		"Specific Heat Measurements by Non-Contact Calorimetry," R.K. Wunderlich and H.J. Fecht, <u>Journal of Non-Crystalline Solids</u> , Vol. 156-158, 1993, pp. 421-424. (<i>No. 3, 11/</i>)
<i>Nov</i>		"A Combinatorial Approach to Materials Discovery," X.D. Xiant, Xiaodong Sun, Gabriel Briceno, Yulin Lou, Kai-An Wang, Hauyee Chang, William G. Wallace-Freedman, Sung-Wei Chen, and Peter G. Schultz, <u>Science</u> , Vol. 268, June 23, 1995, pp. 1738-1740.

Examiner Karl G. Wontner

Date Considered 11-28-01

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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<i>JW</i>		"A Capacitance Sensor for On-Line Monitoring of Ultrathin Polymeric Film Growth," Guo-Gang Zhou, Stephen T. Kowal, and M.P. Srinivasan, <u>IEEE Transactions on Components, Hybrids, and Manufacturing Technology</u> , Vol. 11, No. 2, June 1998, pp. 184-190.

Examiner Hal Winkler

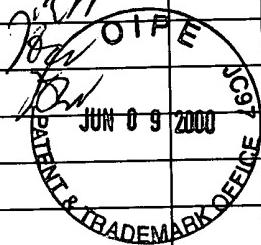
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Atty. Docket Number 1012-001	Serial Number: 09/210,485
Applicant(s): Mansky et al.		
Filing Date: 12/11/98 Group: 2850 <i>2858</i>		

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EXAMINER *H. W. Johnson*

DATE CONSIDERED:

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LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i>		
Applicant(s): Mansky et al. <small>TRADEMARK</small>		
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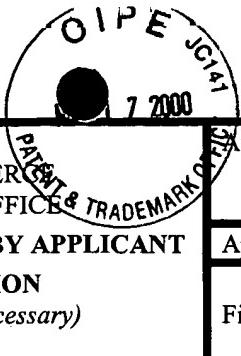
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<p>Applicant(s): Mansky et al.</p>		
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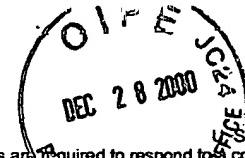
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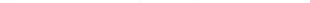
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				Filing Date	12/11/98
				First Named Inventor	Paul Mansky
				Group Art Unit	2858
				Examiner Name	H. Wachsman
				Attorney Docket Number	1012-001(98-23)
Sheet	1	of	1		

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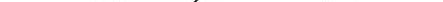
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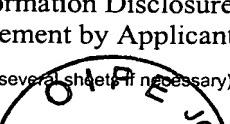
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/210,485
		Filing Date	12/11/1998
		First Named Inventor	Paul Mansky
		Group Art Unit	2858
		Examiner Name	H. Wachsman
		Attorney Docket Number	1012-001(98-23)
Sheet	1	of	1

Examiner Signature		Date Considered	11-20-01
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<p>APPLICANT Mansky et al.</p>		
<p>FILING DATE December 11, 1998</p>		<p>GROUP 280</p>

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<i>Mr</i>		"Micron Scale Differential Scanning Calorimeter," http://www.cstl.nist.gov/div836/836.04/SensorProj/Microcal.html [page 1-5 (No. 1, b)]
<i>Tex</i>		"Sensor Platforms," http://www.cstl.nist.gov/div836/836.04/SensorProj/SensorPlatforms.html [page (No. 1, b)]
Examiner <i>Kelli Mulvey</i>		Date Considered <i>11-07-01</i>
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